**DESCRIPTION**

*Practical, case-based resource helps students integrate content from neuroanatomy and clinical courses*

*Clinical Neuroanatomy: A Case-Based Approach* by Douglas Gould and Gustavo Patino presents nervous system anatomy in a clinically-integrated manner, making it an ideal learning tool for medical students. Forty-seven succinct patient presentations feature a step-by-step walk-through of the lesion localization, correlating neuroanatomy with signs and symptoms. Each consistently organized case also includes the patient complaint, salient medical history, physical exam findings, discussion of symptoms, differential diagnoses, and potential tests.

**Key Highlights**

- High-yield, patient-focused vignettes challenge students to “find the lesion” and propose differential diagnoses
- Images provide an illustrative review of relevant anatomy and impacted pathways
- A visually-rich appendix provides a quick anatomical guide to upper and lower motor neuron manifestations, the central nervous system, and lesion locations
- Questions at the end of each section help students develop the ability to apply anatomy knowledge to the clinical setting

This is a must-have resource for medical students and clinicians seeking to apply neuroanatomy concepts to the initial patient approach. It is also an invaluable prep tool for the USMLE® or any other high-stakes exam covering neuroanatomy.

**COMPETITION**


**CONTENTS**

**Section I: Muscle Weakness**
1. Loss of strength in the hands (chronic)
2. Intermittent muscle weakness
3. Loss of strength with numbness and tingling (acute)
4. Generalized loss of strength (chronic)
Section II: Pain
5. Pain in hands and feet (chronic)
6. Pain over one hemibody (subacute)
7. Pain in one upper limb (chronic)

Section III: Peripheral Nervous System
8. History of falls and erectile dysfunction (chronic)
9. Wrist weakness (acute)
10. Upper limb pain (acute)
11. Hip pain and weakness in one leg (acute)
12. Pain and numbness in one hand (subacute)
13. Foot drop (chronic)

Section IV: Autonomic nervous system
14. Difficulty breathing with muscle cramps and abdominal pain (acute)
15. Headache, palpitations, and sweating (chronic)
16. Headache, face and neck pain (acute)

Section V: Spinal Cord and Roots
17. Loss of vision and tingling in the lower limbs (acute)
18. Weakness and instability (chronic)
19. Back pain (acute)
20. Neck pain (chronic)
21. Neck pain and urinary incontinence (chronic)
22. Back pain and urinary incontinence (subacute)

Section VI: Brainstem
23. Dizziness and inability to walk (acute)
24. Generalized paralysis (acute)
25. Blurry vision and tremor of one hand (acute)
26. Palatal contractions (acute)

Section VII: Cranial Nerves
27. Vision loss (acute)
28. Blurry vision (acute)
29. Headache, eye pain, and blurry vision (chronic)
30. Blurry vision subsequent to periorbital pain (acute)
31. Intermittent blurry vision (subacute)
32. Facial pain (acute)
33. Facial palsy (acute)
34. Episodic dizziness (acute)
35. Dizziness with nausea (acute)
36. Difficulty speaking (chronic)

Section VIII: Cerebellum, Basal Nuclei, and Hypothalamus
37. Loss of coordination (acute)
38. Difficulty initiating movement (chronic)
39. Involuntary movements of one hemibody (acute)
40. Frequent urination and constant thirst (acute)

Section IX: Cerebral Hemispheres
41. Loss of sensation over one hemibody (acute)
42. Difficulty speaking (acute)
43. Inability to get dressed (acute)
44. Loss of memory (chronic)
45. Changes in personality (chronic)
46. Loss of coordination and genitourinary symptoms (chronic)
47. Somnolence, headache, and blurry vision (acute)